AUTOMATIC AUTOMOBILE TRANSMISSION WITH VARIABLE SHIFT PATTERN CONTROLLED IN RESPONSE TO ESTIMATED RUNNING LOAD

the specification of which was filed on April 23, 1998 and included original U.S. Patent No. 5,510,982, issued April 23, 1996, and amendments thereto as required by 37 C.F.R. § 1.171 et seq.

We verily believe that, as provided in 37 C.F.R. § 1.175, the original U.S. Patent No. 5,510,982 is partly inoperative because we claimed less than we had a right to claim in the patent, as indicated in particular by the scope of the additional broader claims being submitted herewith as Claims 8, 9, 10 and 11. The assignee of this patent recently discovered the error and the need for broadened claim coverage upon reviewing the patent.

All errors being corrected in this reissue application up to the time of filing of this Declaration arose without deceptive intent on the part of the Applicant.

We offer to surrender the original patent and/or provide an appropriate affidavit or declaration in the event the same is lost, upon the indication of allowability of the reissue patent application.

We hereby state that we have reviewed and understand the contents of the above-identified Specification, including the Claims, as amended by any amendment referred to above. We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (a).

We hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's

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certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

3-319205 (Number)	Japan (Country)	03 December 1991 (Day/Month/Year)	<u>Yes</u>
(Number)	(Country)	(Day/Month/Year)	

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 (a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

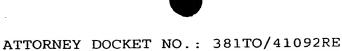
07/985,199 (Application Serial No.) December 3, 1992 (Filing Date) U.S.P. 5,510,982
for which this is
reissue appln.
(patented 4/23/96).

We hereby appoint as principal attorneys:

Martin Fleit, Reg. No. 16,900; Herbert I. Cantor, Reg. No. 24,392; James F. McKeown, Reg. No. 25,406; Donald D. Evenson, Reg. No. 26,160; Joseph D. Evans, Reg. No. 26,269; Gary R. Edwards, Reg. No. 31,824; Jeffrey D. Sanok, Reg. No. 32,169; Richard R. Diefendorf, Reg. No. 32,390; and Paul A. Schnose, Reg. No. 39,361, to prosecute and transact all business in the Patent and Trademark Office connected with this application and any related United States and international applications. Please direct all communications to:

Evenson, McKeown, Edwards & Lenahan 1200 G Street, N.W., Suite 700 Washington, D.C. 20005

Telephone: (202) 628-8800 Facsimile: (202) 628-8844



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PATENT - REISSUE DECLARATION

We hereby declare that all statements made herein of our cwn knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon

thereon.	
<pre>INVENTOR: Citizenship: Postal Address/Residence:</pre>	Hiroshi OHNISHI Japanese Hiroshi Chnishi
June 5, 1998	Signature of 1 st inventor
Date	Signature of 1 inventor
INVENTOR: Citizenship: Postal Address/Residence:	Kouji KITANO Japanese
June 11,1998	Koriji Kitano Signature of 2 nd inventor
Date	Signature of 2 nd inventor
INVENTOR: Citizenship: Postal Address/Residence: June 5, 1998	Mitsuo KAYANO Japanese Mitsuo KAYANO Japanese Mitsuo KAYANO Signature of 3 rd Inventor
Date	Signature of 3rd Inventor
INVENTOR: Citizenship:	Nobuo KURIHARA Japanese
Postal Address/Residence: June 16, 1998	Robine Kurihara Signature of 4th inventor
Date	Signature of 4 th inventor

ASSIGNEE'S CONSENT

Hitachi, Ltd., Japan, assignee of the entire right, title and interest in and to U.S. Letters Patent No. 5,510,982, hereby assents to the filing of the attached application for reissue of said patent in accordance with 37 C.F.R. §1.172.

Hitachi, Ltd.

June 24, 1998

By:

Katsuo OGAWA, Patent Attorney Director & General Manager,

Intellectual Property Office (Authorized Signing Officer)